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## What is claimed is:

1. A method for providing supplemental information related to a television program, the method comprising:

storing a program interface object (PIO) within an entertainment system, the PIO comprising a plurality of attributes, at least one attribute comprising a link to supplemental information related to the television program, the PIO further comprising a plurality of user-selectable actions performable by the entertainment system in connection with the television program;

retrieving the supplemental information referenced by the link; and displaying the supplemental information on a display device associated with the entertainment system.

- 2. The method of claim 1, wherein retrieving comprises: establishing communication with a supplemental information server; requesting the supplemental information referenced by the link from the supplemental information server; and receiving the requested supplemental information.
- 3. The method of claim 2, wherein the supplemental information server comprises an Internet server.
- 20 4. The method of claim 1, wherein the link comprises a Uniform Resource Locator (URL).
  - 5. The method of claim 1, wherein the link comprises a file name.

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- 6. The method of claim 1, wherein the PIO further comprises a visual indicator, the method further comprising:
  - displaying the visual indicator in a graphical user interface; and detecting a user selection of the visual indicator.
- 7. The method of claim 6, wherein the visual indicator comprises a graphical icon.
  - 8. The method of claim 6, wherein the PIO further comprises a first action configured to display the supplemental information referenced by the link, the method further comprising:

displaying a list of the plurality of user-selectable actions associated with the PIO; and detecting a user selection of the first action.

- The method of claim 1, wherein displaying comprises:
   automatically displaying the supplemental information in response to
   the television program being presented by the entertainment system.
- 10. The method of claim 1, wherein displaying comprises: automatically displaying the supplemental information prior to the television program being presented by the entertainment system.
- 11. The method of claim 1, wherein displaying comprises:
  launching a browser configured to display the supplemental information; and

displaying the supplemental information within the browser.

- 12. The method of claim 1, wherein the PIO comprises a set of link attributes, each link attribute comprising a different link to a set of supplemental information.
- The method of claim 12, further comprising:

  displaying a list of link attributes associated with the PIO; and receiving a user selection of a particular link attribute from the list of link attributes.
  - 14. The method of claim 1, wherein the supplemental information comprises an eXtensible Markup Language (XML) document.
  - 15. The method of claim 1, wherein the PIO is selected from the group consisting of a JavaBean object, a Distributed Component Object Model (DCOM) object, and an eXtensible Markup Language (XML) object.
- 16. The method of claim 1, wherein the entertainment system is selected from the group consisting of a personal computer, an interactive television (ITV) system, and a personal digital assistant (PDA).
  - 17. A method for initiating a commercial transaction within an entertainment system, the method comprising:

storing a program interface object (PIO) within the entertainment system, the PIO comprising a plurality of attributes, at least one attribute comprising a link to a commercial server, the PIO further comprising a plurality of user-selectable actions

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performable by the entertainment system in connection with the television program;

establishing communication with the commercial server referenced by the link; and

initiating a commercial transaction with the commercial server using the link.

18. The method of claim 17, wherein the link comprises a Uniform Resource Locator (URL) and wherein establishing comprises:
directing a browser to the URL.

- 19. The method of claim 17, wherein the PIO comprises user information necessary for initiating the commercial transaction and wherein initiating comprises: transmitting the user information to the commercial server.
- 20. The method of claim 19, wherein the user information comprises a user's payment information, and wherein sending comprises:

  encrypting the payment information prior to transmission to the

commercial server.

- 21. The method of claim 19, wherein the user information comprises a digital certificate.
- 22. The method of claim 19, wherein user information is selected from the group consisting of a name, a user ID, a password, an address, a telephone number, and payment information.
  - 23. The method of claim 17, wherein the link identifies a particular product from a set of products, and wherein initiating comprises:

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placing an order for the identified product.

- 24. The method of claim 23, wherein the commercial server comprises a video-on-demand server, and wherein the identified product comprises a license for video-on-demand content.
- The method of claim 23, wherein the commercial transaction comprises a sales transaction for a particular product and wherein initiating further comprises:

  prompting the user to approve the sales transaction;
  receiving an indication of approval from the user.
- The method of claim 17, wherein the PIO further comprises a visual
   indicator, the method further comprising:
   displaying the visual indicator in a graphical user interface; and
   detecting a user selection of the visual indicator.
  - 27. The method of claim 26, wherein the visual indicator comprises a graphical icon.
  - 28. The method of claim 26, wherein the PIO further comprises a first action configured to initiate a commercial transaction, the method further comprising: detecting a user selection of the first action.
  - 29. The method of claim 17, wherein the PIO comprises a set of link attributes, each link attribute comprising a link for initiating a different commercial transaction.
  - 30. The method of claim 17, wherein the link comprises a Uniform Resource Locator (URL).

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- 31. The method of claim 17, wherein the PIO is selected from the group consisting of a JavaBean object, a Distributed Component Object Model (DCOM) object, and an eXtensible Markup Language (XML) object.
- 32. The method of claim 17, wherein the entertainment system is selected from the group consisting of a personal computer, an interactive television (ITV) system, and a personal digital assistant (PDA).
  - 33. A method for providing interactive communication related to a television program within an entertainment system, the method comprising:

    storing a program interface object (PIO) within the entertainment system, the PIO comprising a plurality of attributes carrying information about a television program, at least one attribute comprising a link to a chat server, and a plurality of user-selectable actions performable by the entertainment system in connection with the television program; establishing a chat session with the chat server referenced by the link; and
    - 34. The method of claim 33, where establishing comprises:
      launching an instant messaging client on the entertainment system.

connecting to a chat room hosted on the chat server.

20 35. The method of claim 33, wherein the link comprises an indication of a chat room on the chat server and wherein establishing comprises:
directing the instant messaging client to the indicated chat room.

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- 36. The method of claim 33, wherein the link comprises an indication of a chat conference on the chat server and wherein establishing comprises:

  directing the instant messaging client to the indicated chat conference.
- 37. A system for providing supplemental information related to a television program, the system comprising:

computer-readable medium that stores a program interface object

(PIO), the PIO comprising a plurality of attributes, at least one attribute comprising a link to supplemental information related to the television program, the PIO further comprising a plurality of user-selectable actions performable in connection with the television program;

- a retrieval component that retrieves the supplemental information referenced by the link; and
- a display component that displays the supplemental information on a display device associated with the entertainment system.
- 38. The system of claim 36, further comprising:
  - a communication component that establishes communication with a supplemental information server and requests the supplemental information referenced by the link from the supplemental information server.
- 39. The system of claim 37, wherein the supplemental information server comprises an Internet server.

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- 40. The system of claim 36, wherein the link comprises a Uniform Resource Locator (URL).
  - 41. The system of claim 36, wherein the link comprises a file name.
- 42. The system of claim 36, wherein the PIO further comprises a visual indicator and wherein the display component is further configured to display the visual indicator in a graphical user interface and detect a user selection of the visual indicator.
  - 43. The system of claim 41, wherein the visual indicator comprises a graphical icon.
  - 44. The system of claim 41, wherein the PIO further comprises a first action configured to display the supplemental information referenced by the link and wherein the display component is further configured to display a list of the plurality of user-selectable actions associated with the PIO; and detect a user selection of the first action.
  - 45. The system of claim 36, wherein the display component is configured to automatically display the supplemental information in response to the television program being presented by the entertainment system.
  - 46. The system of claim 36, wherein the display component is configured to automatically display the supplemental information prior to the television program being presented by the entertainment system.

- 47. The system of claim 36, wherein the display component is configured to automatically launch a browser configured to display the supplemental information and display the supplemental information within the browser.
- 48. The system of claim 36, wherein the PIO comprises a set of link attributes, each link attribute comprising a different link to a set of supplemental information.
  - 49. The system of claim 47, wherein the display component is further configured to display a list of link attributes associated with the PIO and receive a user selection of a particular link attribute from the list of link attributes.
  - 50. The system of claim 36, wherein the supplemental information comprises an eXtensible Markup Language (XML) document.
  - 51. The system of claim 36, wherein the PIO is selected from the group consisting of a JavaBean object, a Distributed Component Object Model (DCOM) object, and an eXtensible Markup Language (XML) object.
  - 52. A system for providing supplemental information related to a television program, the system comprising:

means for storing a program interface object (PIO) within an entertainment system, the PIO comprising a plurality of attributes, at least one attribute comprising a link to supplemental information related to the television program, the PIO further comprising a plurality of user-selectable actions performable by the entertainment system in connection with the television program;

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means for retrieving the supplemental information referenced by the link; and

means for displaying the supplemental information on a display device associated with the entertainment system.

53. A system for initiating a commercial transaction within an entertainment system, the method comprising:

means for storing a program interface object (PIO) within the entertainment system, the PIO comprising a plurality of attributes, at least one attribute comprising a link to a commercial server, the PIO further comprising a plurality of user-selectable actions performable by the entertainment system in connection with the television program;

means for establishing communication with the commercial server referenced by the link; and

means initiating a commercial transaction with the commercial server using the link.